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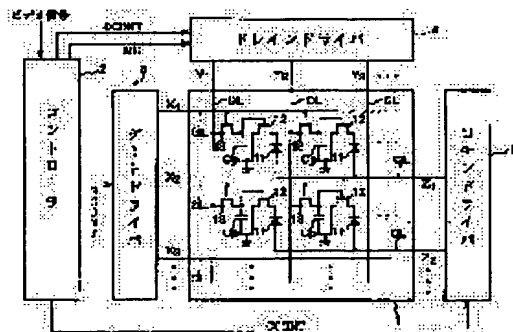(22)Date of filing : 22.05.1997

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(54) DISPLAY DEVICE AND DRIVING METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain uniform light emission quantity for each pixel and each panel and to improve picture definition.

SOLUTION: A controller 2 stores a binary picture signal in one frame unit. The controller 2 divides one frame into plural sub-frames showing a picture to be displayed in two-level picture data based on values of each digit of a picture signal of stored one frame. This two-level picture data for each sub- frame is written in a capacitor Cp from a drain driver 4 for each line. When the picture data is '1', a transistor for driving 12 is turned on. A common driver 5 applies voltage of the prescribed level for each sub-frame, and controls voltage applied between electrodes of an organic EL element 11. Thereby, the organic EL element 11 emits light with different brightness for each sub-frame. Pictures of each sub-frame are synthesized visibly, and gradation in one frame is expressed.

LEGAL STATUS

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